

Begin

REEL #

186

IMAS, R.L.

FODLIFENSKIY, Viktor Semenovich; KRYZHANOVSKIY, O.M., doktor
tekh. nauk, retsenzent; YEREMEYEV, I.S., kand. tekhn.
nauk, retsenzent; IMAS, R.L., red.

[Contactless logical automatic control networks; funda-
mentals of their design] Beskontaktnye logicheskie skhemy
avtomatiki; osnovy postroeniia. Spravochnoe rukovodstvo.
Kiev, Naukova dumka, 1965. 214 p. (MIRA 19:1)

IMASHEV, L.L.,

New oil and gas regions in the USSR

Report to be submitted for the Sixth World Petroleum Congress
Frankfurt, 16-26 June 63

DZHUMAGLIYEV, T.N.; AVROV, P.Ya.; MOYSIK, V.G.; IMASHEV, N.U.

Gas potential of the Dzhambay salt dome. Vest.AN Kazakh.SSR 16
no.12:51-56 D '60. (MIRA 14:1)
(Caspian Depression--Gas, Natural--Geology)

D'YAKOV, B.F.; IMASHEV, N.U.; KRUCHININ, K.V.; KOGAN, A.B.;
KOZMODEM'YANSKIY, V.V.; TOKAREV, V.P.; TRIFONOV, N.K.
CHEREPANOV, V.N.; VYALOVA, R.I.

Southern Mangyshlak is a large new oil-bearing region. Geol.
nefti i gaza 5 no.12:4-11 D '61. (MIRA 14:11)

1. Vsesoyuznyy nefteyanoy nauchno-issledovatel'skiy
geologorazvedcheskoye upravleniye i trest Mangyshlakneftegazrazvedka.
(Mangyshlak Peninsula--Oil fields)

IMASHEV, N.U. (Zapadnyy Kazakhstan)

Effective complex of prospecting operations and means for increasing
their effectiveness in salt domes in the Emlea region. Trudy
VNII no.33:149-160 '61. (MIRA 16:7)

(Emlea region—Petroleum geology)

IMASHEV, N.U.; KUPRIN, P.N.; SEMOV, V.N.

Geology, oil and gas potentials of the Uzen' anticline and adjacent regions in the Mangyshlak steppes. Geol.nefti i gaza 6 no.3:7-13 Mr '62. (MIRA 15:4)

1. Zapadno-Kazakhstanskoye geologicheskoye upravleniye i Moskovskiy gosudarstvennyy universitet.
(Mangyshlak Peninsula--Petroleum geology)
(Mangyshlak Peninsula--Gas, Natural--Geology)

AYZENSHTADT, G.Ye. -A.; BEREZOVSKAYA, V.L.; IMASHEV, N.U.

Prospects for oil potential in the southern Emba region. Geol.
nefti i gaza 6 no.4:17-24 Ap '62. (MIRA 15:4)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy
institut i Zapadno-Kazakhstanskoye geologicheskoye upravleniye.
(Emba region—Petroleum geology)

L 22963-66 EWT(d)/T/EMP(1) IJP(c) GG/BB

ACC NR: AP6009785

SOURCE CODE: UR/0102/66/000/001/0043/0048

AUTHOR: Imas, L. N. (Kiev); Kravets', T. D.--Kravets, T. D. (Kiev); Khrushchova, N. V.--Khrushcheva, N. V. (Kiev)

ORG: none

317
B

TITLE: "Alpha" system recognizes situations of an external member model

SOURCE: Avtomatyka, no. 1, 1966, 43-48

TOPIC TAGS: recognition system, recognition process, learning mechanism

learn-

ABSTRACT: The possibility of using the "alpha" recognition system as a corrector was investigated. In combined control systems having members with external characteristics, corrections of the open loop of the regulator are essential. The research was conducted on an analog model of a member having an open loop with "indentations" on the characteristics, simulated by two forms of curves of the quality index level. The change in situation was simulated by shifting the quality index level curves relative to the open loop of the system. It was shown that the "Alpha" system can recognize situations after learning. Orig. art has: 3 figures and 2 tables. [Based on author's abstract]

[Based
[IT]

SUB CODE: 091 SUBM DATE: 14Nov65/ ORIG REF: 003/

Card 1/1

VYALOVA, R.I.; D'YAKOV, B.F.; IMASHEV, N.U.; KOZ'MODEM'YANSKIY, V.V.;
KRAYEV, P.I.; KRUCHININ, K.V.; TOKAREV, V.P.; TRIFONOV, N.K.;
CHEREPANOV, N.N.

Southern-Mangyshlak oil- and gas-bearing region. Trudy VNIGRI
no.218:7-50 '63. (MIRA 17:3)

ARONSON, V.Ye.; BALASHOV, Ye.T.; BERMAN, S.A.; BYZEE, B.I.; KALININ, N.A.;;
MAKHONIN, A.K.; IMASHEV, N.U.; TOKAREV, V.P.

Plans for commercial prospecting for the Zhetybay and Usen'
deposits. Trudy VNIGRI no.218:62-73 '63. (MIRA 17:3)

CHAKABAYEV, S.Ye.; IMASHEV, N.U.; TOKAREV, V.P.; KONONOV, Yu.S.; KORSUN, P.Ye.;
VOTSALEVSKIY, E.S.; IVANOV, V.A.; FARAFONOVA, N.V.; SHAKHOVOY, A.I.

Uzen' gas and oil field; outline of geology and oil and gas potentials.
Izv. AN Kazakh. SSR. Ser. geol. 21 no.4:16-30 J1-Ag '64. (MIRA 17:11)

1. Institut geologii i geofiziki, Gur'yev.

GABRIELYANTS, G. A.; DENISEVICH, V. V.; PIKENSHTERN, G. Kh.; ZHUKOVSKIY, L. G.;
ZUBOV, I. P.; IMASHEV, N. U.; MASHRYKOV, K. K.; SEMENOVICH, V. V.

"Oil- and gas deposits in mesozoic rocks of the Epi-Hercynian Platform
in Middle Asia."

report submitted for 22nd Sess, Intl Geological Cong, New Delhi, 14-22 Dec
1964.

17(

SOV/177-58-9-29/51

AUTHOR: Imashev, V.B., Senior Lieutenant of the Medical Corps

TITLE: Experience in Treating Furuncles with Novikov's Anti-septic Liquid in Military Units

PERIODICAL: Voenno-meditsinskiy zhurnal, 1958, Nr 9, p 79 (USSR)

ABSTRACT: Novikov's liquid, recommended for treating furuncles, is composed of 1.0 tannin, 0.2 brilliant green, 0.2 alcohol, 0.5 ricinus oil and 20.2 collodion. The furuncle and the adjacent skin is to be embrocated with the liquid. Following this, a solid elastic layer develops which makes a dressing superfluous. The liquid is most effective in the initial state of the furuncle. The treatment with Novikov's liquid takes 3 to 4 days within the complex of a generally strengthening treatment.

Card 1/1

L 36475-66 FWT(1) RC

ACC NR: AP6027047

(N)

SOURCE CODE: UR/0390/66/C29/001/0072/0076

AUTHOR: Markov, S. M.; Loshadkin, N. A.; Imasheva, M. A.

ORG: none

TITLE: Kinetics of the armin and phosphacol interaction with cholinesterases in different organs and tissues

SOURCE: Farmakologiya i toksikologiya, v. 29, no. 1, 1966, 72-76

TOPIC TAGS: cholinesterase, phosphate, cat, chemical reaction kinetics, brain, biochemistry

ABSTRACT: This study continues the effort on the affinity of phosphate and phosphonate to various cholinesterases. The kinetics of the interaction of armin (O-ethoxypnitrophenylethylphosphonate) and phosphacol (O,O-diethoxypnitrophenylphosphate) with the cholinesterases of internal organs and various sections of the brain of cats was investigated. The affinity of the phosphate and phosphonate to these cholinesterases differs: phosphonate shows a more marked affinity for true cholinesterase than for pseudocholinesterase whereas with phosphate the opposite is true. Phosphacol and armin react with the cholinesterases of different sections of brain of cats at dissimilar rates. The kinetic data are obtained compared with the results of tests in vivo. It is shown that the suppression of cholinesterases of various organs and tissues in these experiments is in agreement.

Card 1/2

UDC: 615.739.16-015.2: 612.015.14

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L 36475-66

ACC NR: AP6027047

with the results of in vitro experiments on the varying degree of affinity of phosphacol and armin for different cholinesterases. From the study of the action of small doses of phosphacol on the activity of cholinesterases of different sections of the brain of cats it was shown that in addition to a lowering of the activity, a slight but definite increase in activity occurs in certain sections of the brain immediately after introduction. Orig. art. has: 2 tables and 1 figure. [JPRS: 36,455]

SUB CODE: 06 / SUBM DATE: 22Dec64 / ORIG REF: 005 / OTH REF: 007

Card 2/2MLP

L 1649-66
(A)

ACCESSION NR: AP5021630

UR/0286/65/000/013/0111/0111

AUTHORS: Belen'kiy, Iu. B.⁴⁴; Imasheva, N. P.⁴⁴; Lomako, D. M.⁴⁴

TITLE: Position regulator for the body of a vehicle. Class 63, No. 172641

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 111

TOPIC TAGS: hydraulic system, shock absorber⁴⁴

ABSTRACT: This Author Certificate presents a position regulator for the body of a vehicle, e.g., an automobile, for maintaining a constant height of the body above the road by regulating the motion of the elastic unit of a pneumohydraulic suspension.⁴⁴ The regulator includes a piston pump which is actuated by the oscillations of the automobile suspension, a pressure accumulator, a liquid reservoir, and a valve connecting the pump with the pressure accumulator. To admit and discharge liquid from the regulator cavity into the elastic unit cavity through a common channel, the regulator is provided with a valve placed in the channel and controlled by the shaft of a differential slide valve which is moved by the liquid pressure (see Fig. 1 on the Enclosure). The operating slide valve channel cavities adjoining the slide valve end surfaces are connected to the corresponding pump cavities. The slide valve is made with an internal channel connecting the

Card 1/3

L 1649-66

ACCESSION NR: AF5021630

operating slide valve channel cavity adjoining the valve with the reservoir when the slide valve position corresponds to the open valve. Orig. art. has: 1 diagram.

ASSOCIATION: none

SUBMITTED: 03May63

ENCL: 01

SUB CODE: IE

NO REF SOV: 000

OTHER: 000

Card 2/3

L 1649-66

ACCESSION NR: AP5021630

ENCLOSURE: 01

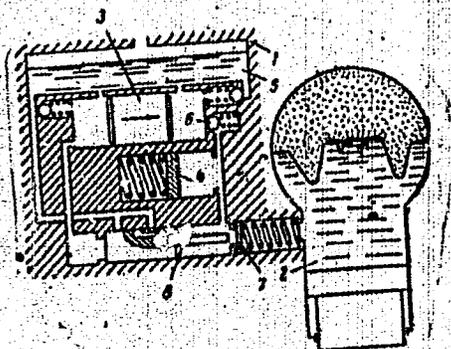


Fig. 1.
1- body position regulator housing; 2- elastic unit of pneumatic suspension; 3- piston pump; 4- pressure accumulator; 5- liquid reservoir; 6- valve connecting pump and pressure accumulator; 7- valve connecting regulator and elastic unit; 8- differential slide valve

Card 3/3 DP

BELEN'KIY, Yu.B., kand. tekhn. nauk; IMASHEVA, N.P.; LOMAKO, D.M.

Approximate calculation of natural vibrations of nonlinear suspensions
of motor vehicles. Avt. prom. 30 no.10:28-30 0 '64. (MIRA 17:11)

1. Belorusskiy politekhnicheskii institut i Minskiy avtozavod.

IMASHEVA, N.B., aspirant

Substantiation of the maximal permissible concentrations of
acetophenone in the air. Gig. sanit. 28 no.2: 3-8 '63

(MIRA 17:2)

1. Iz Kuybyshevskogo meditsinskogo instituta.

BELEN'KIY, Yu.B., kand.tekhn.nauk; IMASHEVA, N.P.

Review of "Pneumatic and hydropneumatic suspensions" by I.A.M.
Pevzner, A.M.Gorelik. Avt.prom. 30 no.1:47-48. Ja '64.
(MIRA 17:3)

1. Belorusskiy politekhnicheskiy institut.

ACC NR: AP7006716

(A)

SOURCE CODE: UR/0113/66/000/012,0016/0018

AUTHOR: Belen'kiy, Yu. B. (Candidate of technical sciences); Imasheva, N. P.;
Furunzhiyev, R. I.; Lomako, D. M.; Lozhechnik, F. D.

ORG: Belorussian Polytechnical Institute (Belorusskiy politekhnicheskiy institut);
Minsk Automobile Plant (Minskiy avtozavod); IM AN BSSR

TITLE: Effect of the damping properties of a tire on the vibration parameters of an
automotive vehicle

SOURCE: Avtomobil'naya promyshlennost', no. 12, 1966, 16-18

TOPIC TAGS: machine vibration, vibration damping, tire, vehicle engineering

ABSTRACT: A method is proposed for calculating the effect which the improved damping
properties of modern low-pressure multi-ply tires have on the vibration parameters of
a motor vehicle. The mathematical analysis is based on the dynamic models shown in
Figures 1 and 2. Figure 1 represents an oscillatory two-mass system while Figure 2
is the dynamic model of a two-axle vehicle. The "Elektron" analog computer and the
"Minsk-2" digital computer were used for solving the following system of differential
equations describing the oscillatory motion of an n-axle vehicle:

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UDC: 629.113:629.11.012.5.001.5

ACC NR: AP7006716

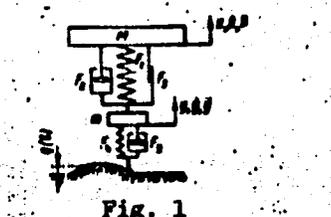


Fig. 1

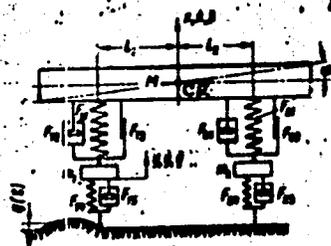


Fig. 2

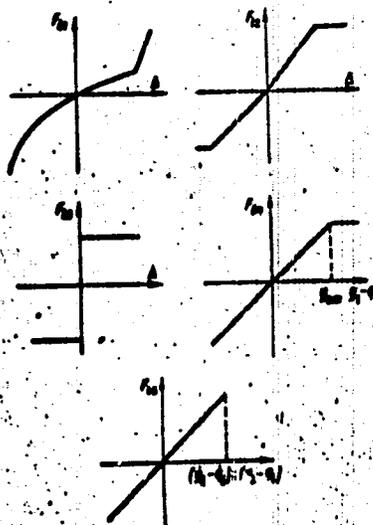


Fig. 3

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ACC NR: AP7006716

$$\ddot{x} + \sum_{i=1}^n \theta_i (F_{i1} + F_{i2} + F_{i3}) = 0;$$

$$\ddot{y} + \sum_{i=1}^n \lambda_i (F_{i1} + F_{i2} + F_{i3}) = 0;$$

$$\ddot{y}_i - \eta (F_{i1} + F_{i2} + F_{i3}) + F_{i4} + F_{i5} = 0,$$

where $i=1, 2, \dots, n$ is the ordinal number of the axis ($n=2$ for a two-axle vehicle); F_{i1}, F_{i2}, F_{i3} are the characteristics of the elastic element, shock absorber and conventional "dry friction" unit; F_{i4}, F_{i5} are the elastic and damping characteristics of the tire. The forms of the tire characteristics are shown in Figure 3. A dynamic model of the MAZ-500 truck was selected as the object for study. It was found that raising the damping coefficient of the tire increases additional power expenditures on vertical oscillations of the vehicle. Computation of the power dissipated by the tire should be done in conjunction with calculation of the vibration parameters of the vehicle. The resultant data may also be used for evaluating the thermal conditions of a tire. Orig. art. has: 5 figures.

SUB CODE: 13 / SUEM DATE: None

Card 3/3

ACC NR: AR7004322

SOURCE CODE: UR/0271/66/000/011/BO34/BO34

AUTHOR: Chelnokov, L. P.; Imayev, E. G.

TITLE: Telegraph apparatus used for extracting information from multichannel analyzers and from multidimensional storage systems

SOURCE: Ref. zh. Avtomat. telemekh. i vychisl. tekhn., Abs. 11B263

REF SOURCE: Tr. 6-y Nauchno-tekhn. konferentsii po yadern. radioelektron. T. 3. Ch. 2. M., Atomizdat, 1965, 18-28

circuit design, transistorized circuit, digital computer
 TOPIC TAGS: telegraph equipment, ~~data processing~~, pulse height analyzer, *multichannel analyzer, computer output unit, computer circuit / TAI-1 analyzer, AI-100-1 analyzer*
 ABSTRACT: A method is considered of using the telegraph apparatus as an output device (with tabulated readout or perforated tape). A standard telegraph apparatus can receive data from multichannel analyzers and other nuclear recording devices and can ensure further data processing by a digital computer. As the telegraph printing rate is only 7 characters per second, the apparatus is suitable for recording only slow events. Two circuits have been developed suitable for the TAI-1 multidimensional analyzer and the AI-100-1 analyzer. One of the circuits is designed with miniature relays and transistors; another has no contacts and uses transistors and semiconductor diodes. The second circuit proved to be more reliable and convenient. It uses P-13, P-14, A-15, and P-16 transistors, D1 Ge diodes, and D101 Si diodes. Experiments have shown that the circuit operates reliably with a supply voltage variation of -4 to -12 v and a spread of resistors and capacitors by $\pm 20\%$, at temperatures +10 to +35°C. Six figures. Bib. of 4 titles. V. L. [Transl'n of abstr.]
 Card 1/1 SUB CODE: 09,18 UDC: 681.142.62

PUDOVIK, A.M.; KMAYEV, M.G.

Reaction of phosphonoethylation and diene synthesis with vinylphosphonic esters. Invest. Akad. Nauk S.S.S.R., Otdel. Khim. Nauk '52, 916-22.
(CA 47 no.20:10463 '53) (MLBA 5:11)

1. Kazan State Univ.

IMAYEV, M. G., Cand of Chem Sci -- (diss) "Study of the reaction of saponification and over esterification of the full esters of phosphoric acid." Kazan', 1957, 13 pp (Kazan' Chemical Engineering Institute, Chair of Organic Chemistry), 100 copies (KL, 30-57, 108)

IMBNEY, M. G.

Hydrolysis and transesterification of neutral esters of phosphorous acid? A. B. ARHAR and M. G. IMBNEY. *Zh. Fiz. Khim. Tekhn. Inst. Khim. Akad. Nauk S.S.S.R.* 172 (1967) et. *U.S.A.* 40, 7616-47, 4835; Kasikov and Gradin, *U.S.A.* 40, 1659; Kozlov, *U.S.A.* 47, (81g). --Hydrolysis of $(RO)_2P$ by equilibrium with pure H_2O was detd. at 25°. Under these conditions the following times of hydrolysis in min. were detd. for 25, 50, 75, and 100% conversion, resp., for the different esters (R shown): *Me*, 8, 8-9, 10, 51; *Et*, 63-73, 81-2, 9, 310; *Pr*, 760-310, 840-60, 870, 1130; *Bu*, 2010, 2110, 2110, 2400; *Ph*, 215, 235, 235, 2365. The reaction is irreversible and does not depend on the nature of the reactants. The effect of the reaction product on the rate of hydrolysis was studied with $(EtO)_2P$; to an equimolar amt. of $(EtO)_2P$ and H_2O were added various amts. of $(EtO)_2POH$ at 25° yielded the following times (min.) required for the 4 degrees of hydrolysis above: none, 68-73, 81-2, 60, 240; 0.602 (in moles), 22, 32-37, 44, 100; 0.60, <5, 5, 7, 50; 0.2, —, —, 11. This indicates a strong acceleration of the hydrolysis by $(RO)_2POH$. Except for $(PhO)_2P$, the hydrolysis of other esters is retarded by bases.

Arbuzov, A. E. + Imoev, M. G.

With 1.9×10^{-4} mole NaOH the hydrolysis of $(MeO)_3P$ is retarded by bases. With 1.9×10^{-4} mole NaOH the hydrolysis of $(MeO)_3P$ is retarded by a factor of 7-8, with the 3×10^{-4} mole NaOH hydrolysis of $(EtO)_3P$ is retarded by a factor of 2; in the presence of 2.1×10^{-4} mole NaOH the hydrolysis of $(BuO)_3P$ is retarded by a factor of 3; hydrolysis of $(EtO)_3P$ is retarded by 0.1 mole pyridine by a factor of 1. An increased concn. of NaOH has a greater effect than does a lower concn. This is ascribed to the removal of $(RO)_2POH$ from the reaction in the form of a salt. Hydrolysis of $(RO)_3P$ in pyridine, Me_2CO , ROH, and dioxane was studied. Pyridine and Me_2CO react with the resulting $(RO)_2POH$ and retard the hydrolysis thereby; thus, in the presence of 1.2 mole Me_2CO the hydrolysis of $(EtO)_3P$ is retarded by a factor of 21. Refractometric study of the hydrolysis in a dioxane medium showed that the reaction is very complex and is not 1st order nor a simple autocatalytic reaction. With 1.5 or 3 moles dioxane for the reaction of $(EtO)_3P$ and 4 moles dioxane for that of $(PrO)_3P$ the rate constants, calculated for a 2nd-order reaction show good constancy over a large part of the duration of reaction, except near the beginning and the end of the reaction. Since the hydrolysis of $(RO)_3P$ without a solvent is a heterogeneous reaction, a kinetic study gave only indeterminate results. Hydrolysis of $(EtO)_3P$

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Arrhenius, R. and Torrey, M.G.

in ROH proceeds rapidly with heat evolution but is accompanied by radical exchange which is catalyzed by (RO)₂POH and by alcoholates of alkali metals. Partial transesterification of (RO)₂P with 1-2 moles R'OH, where R' is the larger radical, in the presence of one of the above catalysts gave the following mixed esters which distill satisfactorily in the 1st distn. but suffer radical exchange on repeated distns. especially notable for esters with different groups, prepd. by partial transesterification of (RO)₂P.

(R'O)P: (MeO)(PrO)P, 78%, bp. 47-8°, n_D²⁰ 1.4105, d₄²⁰ 0.9930; (MeO)(iso-AmO)P, bp. 87-8°, n_D²⁰ 1.4303, d₄²⁰ 0.9234; (MeO)(PrO)(iso-AmO)P, 23%, bp. 75-8°, n_D²⁰ 1.4278, d₄²⁰ 0.9282; (MeO)(EtO)(PrO)P, 22%, bp. 60-1°, n_D²⁰ 1.4101, d₄²⁰ 0.9722; (EtO)(PrO)P, 40%, bp. 72-4°, n_D²⁰ 1.4150, d₄²⁰ 0.9547; (EtO)(iso-AmO)P, 32%, bp. 53-7°, n_D²⁰ 1.4230, d₄²⁰ 0.9357; (PrO)(MeO)(i-PrO)P, bp. 64-6°, n_D²⁰ 1.4290, d₄²⁰ 0.9223; (PrO)(BuO)P, bp. 94-0°, n_D²⁰ 1.4288, d₄²⁰ 0.9242; (BuO)(C₂H₅O)P, bp. 143-3°, n_D²⁰ 1.4335, d₄²⁰ 0.9030; (BuO)(C₂H₅O)₂P, 61%, bp. 167-8°, n_D²⁰ 1.4410, d₄²⁰ 0.8747.

The mixed esters are readily hydrolyzed by slightly acid aq. H₂O, yielding the ROH with the lower alc. group and a mixed ester. Thus were obtained: (MeO)(PrO)POH, bp. 63°, n_D²⁰ 1.4130, d₄²⁰ 1.0186; (MeO)(BuO)POH, bp. 79-81°, n_D²⁰ 1.4174, d₄²⁰ 1.0129; (EtO)(PrO)POH, bp. 97-9°, n_D²⁰ 1.4110, d₄²⁰ 1.0314; (EtO)(iso-BuO)POH, bp. 90°, n_D²⁰ 1.4171, d₄²⁰ 1.0175; (EtO)(iso-AmO)POH, bp. 98-1°, n_D²⁰ 1.4210, d₄²⁰ 0.9964; (PrO)(BuO)POH, bp. 81-8°, n_D²⁰ 1.4210, d₄²⁰ 0.9953; (BuO)(C₂H₅O)POH, bp. 151-2°, n_D²⁰ 1.4305, d₄²⁰ 0.9451.

S. J. G.

3/3

GA

USMANOV, Yu.A., zasl. deyatel' nauki Bashkirskoy ASSR, otv. za vypusk;
KHRIZMAN, I.A., glav. red.; KOBYAKOV, I.A., red.; ABDUL'MENEV,
M.I., red.; DYMENT, O.N., red.; IMAYEV, M.G., red.; MOSKOVICH,
S.M., red.; ROZHDESTVENSKIY, V.I., red.; SERGEYEV, L.I., red.;
SIMONOV, V.D., red.

[Chemicalization of agriculture in Bashkiria] Khimizatsiia sel'-
skogo khoziaistva Bashkirii; trudy konferentsii. Ufa, Bashkirskoe
respublikanskoe pravlenie Vses. khim. ob-va im. D.I. Mendeleeva.
No.1. 1959. 117 p. (MIRA 16:1)

1. Respublikanskaya konferentsiya po voprosam khimizatsii sel'-
skogo khozyaystva BASSR.
(Bashkiria--Agricultural chemistry)

5(3)

SOV/62-59-1-31/38

AUTHORS:

Arbuzov, A. Ye., Imayev, M. G.

TITLE:

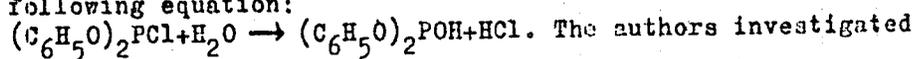
On the Preparation of Diphenyl Phosphite (O polucheni di-fenilfosfita)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 1, pp 171 - 171 (USSR)

ABSTRACT:

In the present communication a simple method of synthesizing diphenyl phosphite is suggested. There are 2 references in publications available (Refs 1 and 2). Recently (Ref 3) diphenyl phosphite was obtained by careful saponification of the chloric acid anhydride of diphenyl phosphite by an equivalent quantity of water in ether according to the following equation:



The authors investigated the saponification reaction of triphenyl phosphite, and stated that this reaction may be applied for the synthesis of diphenyl phosphite which so far has been very difficult to produce. Diphenyl phosphite was obtained in a quantitative yield (as compared to the raw product) by saponification of triphenyl phosphite with an equivalent quantity of water

Card 1/2

On the Preparation of Diphenyl Phosphite

SOV/62-59-1-31/38

and by subsequent removal of phenol in vacuum:
 $(C_6H_5O)_3P + H_2O \rightarrow (C_6H_5O)_2POH + C_6H_5OH$. Diphenyl phosphite
synthesized in this way may be used for purposes of synthesis
without further purification. There are 3 references, 1 of
which is Soviet.

ASSOCIATION: Kazanskiy khimiko-tehnologicheskii institut im. S. M. Kirova
(Kazan' Institute of Chemical Technology imeni S. M. Kirov)

SUBMITTED: June 16, 1958

Card 2/2

IMAYEV, M. G.

Alkylation of phenol by iso-amylene (synthesis of 2,4-di-tert-
amylphenol). Izv.vys.ucheb.sav.; neft' i gas 3 no.6:77-80
'60. (MIRA 13:7)

1. Ufimskiy neftyanoy institut.
(Phenols) (Butene) (Alkylation)

23487
S/152/61/000/005/002/002
B126/B219

5-3400

2209 *only*

AUTHOR:

Imayev, M. G.

TITLE:

Alkylation of phenol with isoamyl alcohol in the presence of sulfuric acid or orthophosphoric acid

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz,
no. 5, 1961, 75 - 78

TEXT: The authors investigated the above problem in order to use the most easily available catalysts for the synthesis of 2,4-di-tertiary amyl phenol. In experiments with orthophosphoric acid, monoamyl phenols and alkylphenolic ethers were formed mainly whilst diamyl phenols were altogether absent. The exact results can be seen from Table 1. On alkylation of phenol with isoamyl alcohol in the presence of sulfuric acid a mixture of mono-, diamyl phenols and alkylphenolic ethers (p-tertiary amyl phenol and 2,4 di-tertiary amyl phenol) is formed. The test results are shown in Table 2. The mechanism of the alkylation of aromatic compounds in the presence of phosphoric acid is not clearly defined. V. D. Tambovtseva and I. P. Tsukervanik are of the opinion that phosphoric acid ethers represent the alkylating agent. I. A. Romadan and V. K. Berzinya on the Card ~~1/6~~

23487

S/152/61/000/005/002/002
B126/B219

X

Alkylation of phenol with...

basis of experiments came to the conclusion that the alkylation of diphenyl does not result from phosphoric acid ethers but from unsaturated hydrocarbons which formed from ethers on separation of the phosphoric acid. The author's experiments confirmed the opinion of I. A. Romadan. There are 2 tables and 3 Soviet-bloc references.

ASSOCIATION: Ufimskiy neftyanoy institut (Ufa Petroleum Institute)

SUBMITTED: October 17, 1961

Card 2/6

IMAYEV, M.G.

Saponification of complete esters of phosphorous acid with pure water. Zhur.ob.khim. 31 no.6:1762-1766 Je '61. (MIRA 14:6)

1. Kazanskiy khimiko-tekhnologicheskii institut imeni S.M.Kirova i Ufimskiy nauchnyy institut.
(Phosphorous acid) (Saponification)

IMAYEV, M.G.

Saponification of trialkyl phosphites in the presence of inorganic
and organic bases. Zhur.ob.khim. 31 no.6:1767-1770 Je '63.
(MIRA 14:6)

1. Kazanskiy khimiko-tekhnologicheskiy institut imeni S.M.Kirova i
Ufinskiy neftyanoy institut.
(Phosphorous acid) (Saponification)

IMAYEV, M.G.

Interesterification of trialkyl phosphites with aliphatic alcohols.
Zhur.ob.khim. 31 no.6:1770-1773 Ja '61. (MIRA 14:6)

1. Kazanskiy khimiko-tekhnologicheskii institut imeni S.M.Kirova
i Ufimskiy neftyanoy institut.
(Phosphorous acid) (Alcohols) (Esterification)

IMAYEV, M.G.

Azomethine dyes containing a phosphono group. Zhur.ob.khim. 31
no.9:2930-2934 S '61. (MIRA 14:9)

1. Ufimskiy neftyanoy institut i Nauchno-issledovatel'skiy institut
neftekhimicheskikh proizvodstv.
(Dyes and dyeing) (Schiff bases)

IMAYEV, M.G., FASKHUTDINOVA, R.A.; Primali uchastiye: KHALILOV, V.R.,
student; SYROVA, A.A., studentka

Synthesis of mixed trialkyl thiophosphates and alkylary phosphites.
Zhur.ob.khim. 31 no.9:2934-2937 S '61. (MIRA 14:9)

1. Ufinskiy neftyanoy institut.
(Phosphothioic acid) (Phosphorous acid)

JMAYEV, M.G.

51. VIBRATION SPECTRA OF PHOSPHORIC ACID DERIVATIVES	310
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57. NEW SYNTHESIS OF THIOPHOSPHATE ESTERS. Ya. A. Mandel'baum et al.	346
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Khimiya i Primeneniye Fosfororganicheskikh Soedineniy (Chemistry and Application of Organophosphorus Compounds) A. Ye. Artuzov, Ed. publ. by Kazan' Affil, Acad. Sci. USSR, Moscow, 1962 632pp.

Collection of complete papers presented at the 1959 Kazan Conference on Chemistry of Organophosphorus Compounds.

SHARIPOV, A.Kh.; IMAYEV, M.G.; MAKSIMOVA, G.N.

Phthalic anhydride obtained by the vapor-phase oxidation of aromatic hydrocarbons from the fraction distilling at 145-250°C of a hydroforming unit. Neftekhimika 2 no.3:359-361 My-Je '62. (MIRA 15:8)

1. Nauchno-issledovatel'skiy institut neftekhimicheskikh proizvodstv, Ufa.
(Hydrocarbons) (Phthalic anhydride) (Petroleum--Refining)

Sci. Res. Inst. Petrochemical Production, Ufa.

MAVLYUTOVA, Ye.G.; VIQULYAROV, G.N.; IMAYEV, M.G.

Vapor-phase catalytic oxidation of crude petroleum products to
phthalic anhydride in a fluid-catalyst bed. Neftekhimiia 2
no.3:362-367 My-Je '62. (MIRA 15:3)

1. Nauchno-issledovatel'skiy institut neftekhimicheskikh
proizvodstv, Ufa.
(Petroleum products) (Phthalic anhydride)

IMAYEV, M.G.

Synthesis of some substituted anilides of acrylacetic acids.
Zhur.ob.khim. 32 no.5:1648-1653 My '62. (MIRA 15:5)

1. Ufinskiy neftyanoy institut.
(Acetanilide)

IMAYEV, M.G.

Azomethine dyes of certain substituted anilides of aroylacetic acids.
Zhur.ob.khim. 32 no.6:1958-1962 Je '62. (MIRA 15:6)

1. Shostkinskiy filial Vsesoyuznogo kinofotoinstituta.
(Acetanilide) (Dyes and dyeing)

IMAYEV, M.G.; EORISOVA, N.N.

Synthesis of some esters of diaminothiomethylphosphinic acid. Zhur.ob.khim. 32 no.10:3360-3362 0 '62. (MIRA 15:11)

1. Ufimskiy neftyanoy institut.
(Phosphinic acid)

S/152/63/000/001/002/002
B126/B1C6

AUTHORS: Imayev, M. G., Sharipov, A. Kh., Fatkullina, N. S., Maksimova, G. N.

TITLE: Vapor-phase oxidation to phthalic anhydride of phenol extracts from treatment of oil fractions

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz, no. 1, 1963, 61 - 64

TEXT: Phenol extracts, waste products after treatment of oil fractions, were oxidized by atmospheric oxygen to phthalic anhydride over an industrial vanadium-potassium sulfate catalyst. Three extracts were used, one of which contained about 20.3% by weight of monocyclic, 37.8% of bicyclic and 20% of polycyclic aromatics, and the two others each about 18.6%, 26% and 35% by weight of the above aromatics, respectively. The following optimum conditions were established: oxidation temperature 380 - 390°C, ratio of air to raw material 245 : 123 g/g, volume velocity 2000 - 2500 h⁻¹. The yield of phthalic anhydride obtained from the first extract was 28.9% by weight, from the second extract 22% and from the third 20%. To reduce coke deposition on the catalyst due to a tar content of about 3 to 5% in the phenol extracts, Card 1/2

Vapor-phase oxidation to...

5/152/63/000/001/002/002
B126/B186

the latter were previously de-tarred by vacuum distillation. There are 3 figures and 2 tables.

ASSOCIATION: Bashkirskiy gosudarstvennyy universitet im. 40-letiya Oktyabrya
(Bashkirian State University imeni 40th Anniversary of the
October Revolution); NIINEftekhim (Ufa)

SUBMITTED: April 20, 1962

Card 2/2

IMAYEV, M.G.; MURAYEVA, V.S.; KHALILOV, R.G.

Obtaining 2,4-di-tert-amylphenol. Izv. vysh. ucheb. zav.; neft'
i gaz 6 no.3:71-73 '63. (MIRA 16:7)

1. Bashkirskiy gosudarstvennyy universitet imeni 40-letiya
Okt'yabrya.

(Phenol)

IMAYEV, M.G.; SHARIPOV, A.Kh.; FATKULLINA, N.S.; MIKSIMOVA, G.N.

Vapor-phase oxidation of the extracts of the phenol purification
of lubricant fractions in phthalic anhydride. Izv. vys. ucheb. zav.;
neft' i gaz 6 no.1:61-64 '63. (MIRA 17:10)

1. Bashkirskiy gosudarstvennyy universitet im. 40-letiya Oktyabrya
i Nauchno-issledovatel'skiy institut neftekhimicheskikh proizvodstv,
Ufa.

SHARIPOV, A.Kh.; IMAYEV, M.G.

Production of phthalic anhydride by dipase oxidation of bicyclic hydrocarbons of catalytic gas oil. Izv. vys. ucheb. zav.; neft' i gaz 6 no.8:57-60 '63. (MIRA 17:6)

1. Nauchno-issledovatel'skiy institut neftekhimicheskikh proizvodstv i Bashkirskiy gosudarstvennyy universitet imeni 40-letiya Oktyabrya.

IMAYEV, M.G.

Synthesis of some substituted anilides of benzyol- and
methoxybenzoylacetic acids. Zhur. ob. khim. 34 no.7:
2328-2332 J1 '64 (MIRA 17:8)

1. Bashkirskiy gosudarstvennyy universitet.

IMAYEV, M.G.; SHAKIROVA, A.M.; SHIRMANOVA, Ye.P.; KAS'YANOVA, Ye.K.

Organophosphorus compounds with an active methylene group. Part
1: Synthesis of certain β -ketophosphinates. Zhur. ob. khim.
34 no.12:3950-3952 D '64 (MIRA 18:1)

1. Bashkirskiy gosudarstvennyy universitet.

L 42101-65

8/2933/64/CAT/000/0189/0191

ACCESSION NR: AT50086/L

AUTHORS: Izayev, M. G.; Akhmatshanov, I. S.

TITLE: Benzene stabilization by tributylphosphite thermal cracking

SOURCE: AN SSSR. Bashkirskiy filial. Khimiya serraorganicheskikh soedineniy, soderzhaschikh v raftyakh i naftoproductakh, v. 7, 1964, 189-191

TOPIC TAGS: benzene, petroleum industry, phosphite, sulfur

ABSTRACT: The possibility of benzene stabilization was investigated experimentally, using the thermal cracking of trialkylphosphites. First, the interaction of triethylphosphites with thiophane and dibenzyl sulfide was investigated. This interaction took place with two samples of benzene. The tributyl-

This treatment also gives a high alkali purity to the genuine scale and thereby
scale-forming problem in engines. Orig. art. has 2 tables.

Card 1/2

L 42101-65

ACCESSION NR: AT5008431

ASSOCIATION: Bashkirskiy gosudarstvennyy universitet (Bashkirian State University)

SUBMITTED: CO

ENCL: 00

SUB CODE: OC, CC

NO REF SOV: OCL

OTHER: OLO

Card 2/2 CC

L-52793-65 ENT(a)/EPF(c)/EMP(j)/P Pa-4/Pr-4 RM
ACCESSION NR: AF5016188 UR/0079/64/034/012/3950/3952 22

AUTHOR: Imayev, M. G.; Shakirova, A. M.; Shirmanova, Ye. P.; Kas'yanova, Ye. K.

TITLE: Organophosphorus compounds with an active methylene group. I -- synthesis of some esters of beta-ketophosphinic acids

SOURCE: Zhurnal obshchey khimii, v. 34, no. 12, 1964, 3950-3952

TOPIC TAGS: phosphinic acid, ester, organic synthetic process

Abstract: The reaction of trialkyl phosphite with omega-bromoacetophenone was used to synthesize seven dialkylphosphoneacetophenones, previously undescribed in the literature: dimethyl-, di-n-propyl-, di-n-butyl-, di-n-amyl-, di-n-hexyl-, di-n-heptyl-, and di-n-octylphosphoneacetophenone. All the dialkylphosphoneacetophenones obtained reacted vigorously with sodium, liberating hydrogen, and gave characteristic color reactions with ferric chloride in alcohol solution. The products were viscous yellow liquids with a sharp odor, readily soluble in organic solvents. Data are cited on the physical properties of the new products: percent yields, boiling points, specific gravities, refractive indices, molecular refractions. Orig. art. has 2 tables.

Card 1/2

L 52793-55

ACCESSION NR: AP5016188

ASSOCIATION: Bashkirskiy gosudarstvennyy universitet (Bashkir State University)

SUBMITTED: 28Sep53

ENCL: 00

SUB CODE: 00, 00

NO REF SOV: 011

OTHER: 001

JPRS

52. B
Card 2/2

IMAYEV, M.G.; MASLENNIKOV, V.G.; GORINA, V.M.; KRASHENNIKOVA, G.S.

Reesterification of dimethyl phosphite with aliphatic alcohols.

Zhur. ob. khim. 35 no. 1:75-77 Ja '65.

(MIRA 18:2)

1. Bashkirskiy gosudarstvennyy universitet.

IMAYEV, M.G.; SOKOLOVA, S.V.; FEKLYAYEVA, S.D.

Synthesis of salts and thioanhydrides of certain O,O-diaryl-
dithiophosphoric acids. Zhur. ob. khim. 35 no.4:742-743 Ap '65.
(KIRA 18:5)

1. Bashkirskiy gosudarstvennyy universitet.

AKHMETZHANOV, I.S.; ZAGIDULIN, R.N.; IMAYEV, M.G.

Reaction of triethyl phosphite with hydrogen sulfide. Dokl. AN SSSR
163 no.2:362-364 J1 '65. (MIRA 18:7)

1. Bashkirskiy gosudarstvennyy universitet i Vsesoyuznyy nauchno-
issledovatel'skiy i proyektnyy institut sinteticheskikh zhiroza-
meniteley. Submitted January 7, 1965.

L 61128-65 EPP(c)/EPP(t)/EPP(m) RM
 ACCESSION NR: AP9019431

UR/0020/69/160/003/0656/0688/8

AUTHOR: ⁵⁶Imayev, M. G.; ⁵⁴Shakirova, A. M.

TITLE: Interaction between triphenylphosphite and α -bromoacetophenone

SOURCE: AN SSSR. Doklady, v. 169, no. 3, 1965, 656-658

TOPIC TAGS: triphenylphosphite, α -bromoacetophenone, adduct

ABSTRACT: Boiling of an equimolar mixture of triphenylphosphite and α -bromoacetophenone in anhydrous benzene, toluene, or xylene or heating at 120°-130°C without a solvent results in formation of an adduct. The rate of adduct formation is a function of temperature. A maximum of 95% adduct was obtained during a 9 hour heating in toluene of an equimolar mixture of triphenylphosphite and α -bromoacetophenone at 110°C. Above 120°C, the rate of adduct decomposition is greater than the rate of its formation. The adduct, a crystalline material, decomposes into triphenylphosphate, phenylacetylene, and hydrogen bromide. The adduct reacts very energetically with water, alcohols, acetic acid, and other compounds containing an active hydrogen. Overall, the interaction of triphenylphosphite with α -bromoacetophenone above 120°C is a two-step process. The first step is the adduct formation according to:



Card 1/2

E. 64128-65

ACCESSION NR: AP5019431

and the second step its thermal decomposition according to:



Orig. art. has: 3 formulas.

ASSOCIATION: Bashkirskiy gosudarstvennyy universitet (Bashkir State University);
 Vsesoyuznyy nauchnoissledovatel'skiy i proyektnyy institut sinteticheskikh zhirizameniteley (All-Union Scientific-Research and Development Institute for Synthetic Grease Substitutes)

SUBMITTED: 06Jan65

ENCL: 00

SUB CODE: CC, GC

NO REF SOV: 004

OTHER: 004

Card

2/2

IMAYEV, M.G.; SHAKIROVA, A.M.

Reaction of triphenyl phosphite with ω -bromoacetophenone. Dokl. AN SSSR
163 no.3:646-658 J1 '65. (MIRA 18:7)

1. Bashkirskiy gosudarstvennyy universitet i Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut sinteticheskikh zhirozamenitsley.
Submitted January 11, 1965.

IMAYEV, M.G.

Synthesis of O,O-diaryldithiophosphoric acids and their salts.
Zhur. ob. khim. 35 no.10:1864-1866 O '65. (MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh
vshirozameniteley.

IMAYEV, M.G. [deceased]; SHAKIROVA, A.M.

Reaction of triphenyl phosphite with ω -bromacetophenone.
Zhur.ob.khim. 35 no.12:2223-2225 D '65.

(MIRA 19:1)

1. Nauchno-issledovatel'skiy institut sinteticheskikh zhirov.
Submitted November 30, 1964.

14640-66 EWT(m)/EWP(s) RM
ACC NR: AP6005925

SOURCE CODE: UR/0079/66/036/001/0001/0087

AUTHOR: Imayev, M. G.; Akhmetzhanov, I. S.

26
B

ORG: All-Union Scientific Research Institute of Synthetic Fat Substitutes
(Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh zhirozameniteley)

TITLE: The reaction of trialkyl (aryl) phosphites with mercaptans

94455

SOURCE: Zhurnal obshchey khimii, v. 36, no. 1, 1966, 85-87

TOPIC TAGS: phosphite ester, mercaptan, free radical, catalysis

ABSTRACT: This work represents an attempt to investigate the activities of a number of trialkyl or triaryl phosphites $(RO)_3P$, where R = straight-chain alkyls C_1-C_{10} , or phenyl, and to confirm a previously advanced suggestion concerning the catalytic effect of atmospheric oxygen on the reaction between trialkyl phosphites and mercaptans in the absence of other free-radical initiators. It was found that the activity of the above phosphites in radical chain reactions with mercaptans is almost independent of the size of the alkyl group. The lower trialkyl phosphites with an odd number of carbon atoms in the alkyl group have somewhat lower activity. The activity of triphenyl phosphite is considerably lower than those of the trialkyl phosphites. It was shown that in the absence of other catalysts the reaction of trialkyl or triaryl phosphites is promoted by atmospheric oxygen. Orig. art. has: 1 table.

SUB CODE: 07
Card 1/1
SUEM DATE: 22Oct64/ ORIG REF: 005/ OTH REF: 006/ ATD PRESS: [N3]
UDC: 546.183:547.269.1 4144

L 21800-66

ACC NR: AP6012643

phites into symmetrical species upon their distillation. The total transesterification of dimethylphosphite in symmetrical dialkylphosphites was studied in the presence of sodium alcoholate as catalyst, in a dioxane medium (no catalyst present), and in excess n-butyl alcohol; it was determined that, when dioxane or excess alcohol is present, the rate of dimethylphosphite alcoholysis is not dependent in the presence of a catalyst. Seven methylalkyl phosphites not previously described in the literature were synthesized and identified. Orig. art. has: 1 table. [JPRS]

SUB CODE: 07 / SUBM DATE: 12Oct63 / ORIG REF: 006 / OTH REF: 001

Card 2/2 P 5

L 21855-66 EWP(j)/IWT(m) RM

ACC NR: AP6012655

SOURCE CODE: UR/0079/65/035/002/0370/0372

AUTHOR: Imavev, M. G.; Karimova, K. N.ORG: Bashkir State University (Bashkirskiy gosudarstvennyy universitet) 26
2

TITLE: Study of certain chemical properties of tri (4-tert-amylphenyl)- and tri (2, 4-di-tert-amylphenyl) phosphites 1, 1, 1

SOURCE: Zhurnal obshchey khimii, v. 35, no. 2, 1965, 370-372

TOPIC TAGS: organic phosphorous compound, organic synthetic process, hydrolysis, copper compound, chloride

ABSTRACT: Tri(4-ter-amylphenyl)- and tri (2, 4-di-ter-amylphenyl) phosphites were first synthesized by the reaction of the corresponding 4-ter-amyl- and 2, 4-di-ter-amylphenols with phosphorus trichloride. Several chemical properties of these compounds are presented. The authors investigated the addition reaction of cuprous chloride, the Arbusov rearrangement in the presence of methyl iodide, hydrolysis to diarylphosphites, and the addition of sulfur to form the corresponding diarylthiophosphates. Five compounds not described in the literature were synthesized and identified. Orig. art. has: 1 table. [JPRS]

SUB CODE: 07 / SUBM DATE: 12Oct63 / ORIG REF: 005

Card 1/1 nst

UDC: 546.183+546.56+546.185'221.13

L 21854-66 EWP(j)/RWT(m) RM

ACC NR: AP6012656

SOURCE CODE: UR/0079/65/035/002/0372/0377

AUTHOR: Imayev, M. G.; Gorina, V. M.; Maslennikov, V. G.

ORG: Bashkir State University (Bashkirskiy gosudarstvennyy universitet)

TITLE: Structure of addition products of thiourea to dialkylphosphites

SOURCE: Zhurnal obshechey khimii, v. 35, no. 2, 1965, 372-377

TOPIC TAGS: organic phosphorous compound, urea, chemical structure, UV spectrum

ABSTRACT: In order to establish the structure of the addition products of thiourea to dialkylphosphites, the capacity of these compounds to add on elemental sulfur was studied along with the ultraviolet spectra. In contrast to existing data, the authors found that the addition products of thiourea to dialkylphosphites further add on sulfur in an acetone, dioxane, or toluene medium to form the thiourea salt of dialkylthiophosphoric acid. It was established that the addition products of thiourea to dialkylphosphites are thiourea salts of dialkylphosphoric acids with trivalent phosphorus. Thiourea salts of 14 dialkylphosphoric acids not described in the literature were isolated and identified. The corresponding thiourea salts of dialkylmonothiophosphoric acid were obtained by addition of sulfur to thiourea salts of dialkylphosphorus acids. Orig. art. has: 1 figure and 2 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 12Oct63 / ORIG REF: 008 / OTH REF: 004

Card 1/1 net

UDC: 546.183+547.496.3

L 36492-66 EWT(m)/EWP(j) RM

ACC NR: AP6027083

SOURCE CODE: UR/CO79/65/035/010/1864/1866

AUTHOR: Imayev, M. G.

ORG: All Union Scientific Research Institute of Synthetic Fat Substitutes
(Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh zhurozameniteley)

TITLE: Synthesis of O,O-diaryldithiophosphoric acids¹ and their salts

SOURCE: Zhurnal obshchey khimii, v. 35, no. 10, 1965, 1864-1866

TOPIC TAGS: chemical synthesis, phosphoric acid, organic salt, lubricant additive, flotation, crystallization, vacuum distillation

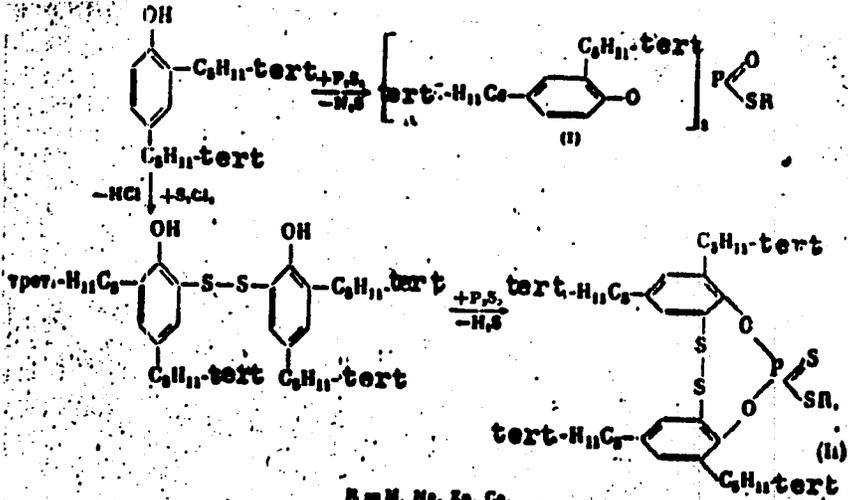
ABSTRACT: With a view to possible applications as lubricating oil additives and flotation agents, some O,O-diaryldithiophosphoric acids and their salts were prepared from 2,4-di-tert-amylphenol. O,O-Di(2,4-di-tert-amyl)phenyldithiophosphoric (I) and O-(2,2'-dithiobis(2,6-di-tert-amyl)phenyl)dithiophosphoric (II) acids and their salts were obtained by the reactions

Card 1/2

UDC: 546.185-221+547.563.1

L 36492-66

ACC NR: AP6027083



R = H, Me, Et, Co.

With the exception of O,O-diaryldithiophosphoric acids could not be separated in the free state, whether by low-temperature crystallization or vacuum distillation at 0.01 mm Hg. For this reason, the acids were identified in the form of calcium and zinc salts and thioanhydrides. Seven new compounds were synthesized.

[JPRS: 36,328]

SUB CODE: 07, 11 / SUBM DATE: 24Jul64 / ORIG REF: 009 / OTH REF: 001

Card 2/2 MLP

I 06506-67 EWP(j)/EWT(m) RM

ACC NR: AP7000486

SOURCE CODE: UR/0079/66/036/006/1142/1143

AUTHOR: Imayev, M. G.; Shakirova, A. M.; Yuferova, M. Kh. 27
BORG: Bashkir State University (Bashkirskiy gosudarstvennyy universitet); All-Union Scientific Research Institute of Synthetic Fats (Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh zhirov)TITLE: Organophosphorus compounds with an active methylene group. II. Synthesis of certain alkylphenylphosphoneacetophenones ¶

SOURCE: Zhurnal obshchey khimii, v. 36, no. 6, 1966, 1142-1143

TOPIC TAGS: organic synthetic process, organic phosphorus compound

ABSTRACT: New Mixed aliphatic-aromatic di-n-propyl- and dibutylphenyl phosphites were synthesized. Their reaction with omega-bromoacetophenone proceeds according to the Arbuzov rearrangement to form n-propyl- and n-butylphenylphosphoneacetophenones. The structures of the reaction products were confirmed by infrared spectra and by hydrolysis to acetophenonephosphinic acid. They react slowly with sodium, liberating hydrogen, and do not color ferricchloride in alcohol solution. Orig. art. has: 1 figure. [JPRS: 37,023]

SUB CODE: 07 / SUEM DATE: 06May65 / ORIG REF: 006 / OTH REF: 001

Card 1/1 ALE

547.21'118

ACC NR: AP6025986

SOURCE CODE: UR/0079/66/036/007/1230/1232

AUTHOR: ^(deceased) Imayev, M. G.; Shakirova, A. M.; Galeeva, R. A.

ORG: Bashkir State University (Bashkirskiy gosudarstvennyy universitet);
All-Union Scientific Research Institute of Synthetic Lubricants
(Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh shirov)

TITLE: Organophosphorus compounds with an active methylene group.
III. Synthesis of some esters of carboxyanilides and phosphonoacetic acid

SOURCE: Zhurnal obshchey khimii, v. 36, no. 7, 1966, 1230-1232

TOPIC TAGS: ^{organic} organophosphorus compound, alkyl phosphoacetate, anilide
alkyl phosphonoacetate, ^{acetate}

ABSTRACT:

Previously unreported ethyl dialkylphosphonoacetates were obtained by Arbuzov rearrangement of the corresponding trialkyl phosphites and ethyl bromoacetates:

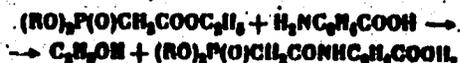
Card 1/3

UDC: 547.26*118

ACC NR: AP6025986



Composition and physical constants of the ethyl dialkylphosphonoacetates are given in the table. Condensation of ethyl dialkylphosphonoacetates with p-aminobenzoic acid at 190—225°C yields the corresponding anilides:



Previously unreported p-carboxyanilides of ethyl di-n-pentylphosphonoacetate and ethyl di-n-hexylphosphonoacetate were also obtained.

Card 2/3

ACC NR: AP6025986

Table 1. Ethyl dialkylphosphonoacetates



R	Yield (in %)	bp (p in mm)	d ₄ ²⁰	n _D ²⁰	MR _s		Found % P	Formula	Calcu- lated % P
					Found	Calcu- lated			
N-C ₈ H ₁₇	60.60	157-160° (2)	1.0168	1.4383	79.49	79.37	10.25	C ₁₄ H ₂₉ O ₅ P	10.10
N-C ₁₁ H ₂₃	64.40	164-167 (2)	0.9973	1.4401	88.82	88.61	9.20	C ₁₉ H ₃₉ O ₅ P	9.23
N-C ₁₀ H ₂₁	36.53	mp 83.5-84°	—	—	—	—	8.24	C ₁₈ H ₃₇ O ₅ P	8.92

Orig. art. has: 1 table.

[W.A. 50; CBE No. 10]

SUB CODE: 07/ SUBM DATE: 24Aug65/ ORIG REF: 002/ OTH REF: 001

Card 3/3

KUASHEV, Kh.E.; IMAYKIN, A.D.

Obtaining high corn yields. Zemledelie 7 no.6:84 Ja '59.
(MIRA 12:8)

1. Sekretar' partorganizatsii kolkhosa im. Lenina, Leskenskogo rayona, Kabardino-Balkarskoy ASSR (for Kuashev). 2. Kabardino-Balkarskaya gosudarstvennaya sel'skokhozyaystvennaya opytnaya stantsiya (for Imaykin).

(Corn (Maize))

IMAYLOVA, V. N., Cand Chem Sci -- (diss) "Investigation of the process of crystallizing structure formation in semi-water gypsum suspensions." Moscow, 1957, 13 pp (Moscow State University in M. V. Lomonosov. Chemistry Faculty), 100 copies (KL, 36-57, 104)

BOLOTOV, M.; IMBERGIN, A.

Every third one is an innovator. Sov. profsoiuzy 7 no.17:25-26
S '59. (MIRA 12:11)

1. Predsedatel' tsekhkoma Ural'skogo alyuminiyevogo zavoda (for Bolotov). 2. Predsedatel' postoyanno deystvuyushchego proizvodstvennogo soveshchaniya Ural'skogo alyuminiyevogo zavoda (for Imbergin).
(Aluminum industry--Technological innovations)

CHEPOVETSKIY, I.Kh.; IMBIRSKIY, V.I.; BORBAT, A.A.

Synthetic diamonds at the Vladimir Traktor Plant and the "Serp
i Molot" Plant in Kharkov. Mashinostroitel' no.10:45 0 '64.
(MIRA 17:11)

CHEPOVETSKIY, I.Kh., inzh.; IMEIEFSKIY, V.I.; GALITSKIY, V.N., inzh.

"Piston rings and connecting rods of the D37M engine with
synthetic-diamond bars. Vest.mashinostr. 45 no.3:53-56 Mr
'65. (MIRA 18:4)

HUNGARY/Physical Chemistry. Kinetics. Combustion. Explosions. D
Topochemistry. Catalysis.

Abs Jour: Ref Zhur-Khin., No 15, 1958, 49607/

Author : Imbre Lajos.

Inst : Debrecen University.

Title : Considerations Concerning the Kinetics of Heterogenous
Reactions.

Orig Pub: Acta Univ. debrecen., 1954, 1, 163-186.

Abstract: No abstract.

Card : 1/1.

IMBRITSKIY, I.M.

~~APPROVED FOR RELEASE: 08/10/2001~~

CIA-RDP86-00513R000618610001-8"

Exhibit and seminar on "Modern techniques in repairing steam and
water equipment" at the Exhibition of the Achievements of the
National Economy of the U.S.S.R. Energetik 12 no.7:45-46 JI '64.
(MIRA 17:9)

IMERITSKIY, M. I.

PA 47/49T44

USSR/Engineering
Welding - Methods
Metals - Surface Treatment

Apr 49

"Improving the Strength of Parts by Means of a
Welded Seam Using Electrodes With Alloy Coat-
ings," M. I. Imbritskiy, EngR, 2 pp

"Zvezd Prom" No 4

Special electrodes used in welding machine parts
have increased toughness of parts, and greatly
lowered operating costs. Electrode consists
of a low-carbon welding rod (GOST 2246-43)
covered with a paste containing ferrochrome,

47/49T44

USSR/Engineering (Contd)

Apr 49

ferrotitanium, boron carbide and silver graph-
ite. Obtained excellent results after treat-
ing bits by described method.

47/49T44

IMBRITSKIY, M.I.

27098. IMBRITSKIY, M.I.-Pech i zakaloch nye vanny dlya termi cheskoj obrabotki detaley torfyanogo oborudovani ya. Torf. prom-st', 1949, No. 8, c. 22-23

So: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

IMBRIISKIY, M. I.

Electric Machinery - Maintenance and Repair

Proper methods of repairing flange joints. Rab. energ. 2 no. 4 '52

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

IMBRITSKIY, M.I.

Deterioration of water gage glass of medium-pressure boilers. Energetik 1
no.3:34 Ag '53.

(MLA 6:8)
(Steam boilers)

IMBRITSKIY, M.I.

[Repair of fittings] Remont armatury. Moskva, Gos. energ. izd-vo,
1953. 199 p. (MLRA 7:3)
(Steampipes) (Pipe fittings)

IMBRITSKIY, M.I.

Subject : USSR/Electricity AID P - 1378
Card 1/1 Pub. 26 - 5/30
Author : Imbritskiy, M. I., Eng.
Title : Improving the methods of repairs of steam and water accessories.
Periodical : Elek. Sta., 2, 14-17, F 1955
Abstract : The author describes improved methods of repairing boiler accessories which were applied in various power plants, particularly in the plants of Sverdlovenergo and Kemerovenergo. 5 drawings
Institution: None
Submitted : No date

IMBRITSKIY, M.I.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000618610001-8"
Subject : USSR/Electricity
Card 1/2 Pub. 29 - 24/28
Author : Imbritskiy, M. I., Eng.
Title : Organization of the measuring establishment at the electric power station.
Periodical : Energetik, 6, 34-36, Je 1955
Abstract : The measuring establishment at many power stations is, according to the author, in a unsatisfactory state. It was found during a check-up of the high pressure power stations of the Donbassenergo, that out of seven micrometers only two had a standard accuracy. Measuring surfaces were damaged and dirty. At the electric power station of the Sverdlovenergo out of twenty slide gauges only five corresponded to standards. The author presents a method of organizing, safekeeping and maintaining the measuring establishment. One table, two drawings.

AID P - 3009

Energetik, 6, 34-36, Je 1955

Card 2/2 Pub. 29 - 24/28

Institution : None

Submitted : No date

IMBRITSKIY, M. I.

AID P - 3511

Subject : USSR/Power Eng
Card 1/1 Pub. 26 - 5/30
Author : Imbritskiy, M. I., Eng.
Title : On organizing central repair shops at power plants
Periodical : Elek. sta., 9, 17-19, S 1955
Abstract : The article discusses the organization of central repair shops for power plant equipment planned at present by the "Heat and Power Planning Organization" and suggests a revision of what the author deems to be an unsatisfactory solution. Two diagrams.
Institution : None.
Submitted : No date

1. 00513R000618610001-8

AID P - 3363

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 21/27

Author : Imbritskiy, M. I., Eng.

Title : ~~Correcting the defects of flange connections of the piping system~~
Correcting the defects of flange connections of the piping system

Periodical : Energetik, 9, 32-33, 3 1955

Abstract : The author enumerates the various causes of defects in the flange connections and the methods of their removal. Three photographs, 2 drawings.

Institution : None

Submitted : No date

~~IMBRITSKII, M.I., insuper.~~

Some devices used in repairing steam and water fittings. Energetik
4 no.11:37-40 N '56. (MIRA 9:12)

(Metalworking machinery)

(Electric power plants--Equipment and supplies)

IMBRITSKIY, M. I. (ENgr.) and RATNER, A. V. (Cand. Tech. Sci.)

"Damage to Fittings and Ways of Enhancing their Reliability by Improved Design."

A Scientific-Technical Conference on Auxiliary Equipment for Power Station Boiler Houses. Moscow, 17 - 20 Dec 1957.

Teploenergetika, 1958, No. 4, pp. 90-91 (USSR)

Imbritskiy, M.I.

IMBRITSKIY, M.I.; SHUKHER, S.M., red.; VORONIN, K.P., tekhn.red.

[Correcting defects of steam fittings in electric power stations]
Ustranenie povreshdenii parovodianoj armatury na elektrostantsiyakh.
Moskva, Gos.energ.isd-vo, 1957. 288 p. (MIRA 11:1)
(Pipe fittings)

DEBRITSKIY, M.I., inzhener.

Preventing damages of water and steam equipment.
proc. 1 no.6:31-33 Je '57.
(Boilers--Safety appliances)

Besop.truda v
(MIRA 10:7)

IMBRITSKIY, M. I. inzhener.

Modern high-pressure fittings. Energetik 5 no.7:24-30 J1 '57.
(SIRA 10:8)

(Boilers)

IMBRITSKIY, M.I., inzh.

Increasing the reliability of armatures used in electric power
stations. Energetik 5 no.12:23-28 D '57. (MIRA 10:12)
(Electric power stations) (Armatures)